

I claim:

- 1 1. A variable volume beverage container comprising:
2 a vertically elongated upwardly open base having a
3 cylindrical wall formed at least along an inner surface with
4 formations distributed over at least a major part of a height of
5 the wall;
6 a downwardly open upper part having a wall formed at
7 least externally with formations mating with the formations of
8 said base and enabling variable height insertion of said upper
9 part in said base for varying an internal volume of said
10 container as defined by said base and said upper part, said upper
11 part forming a seal with said base preventing escape of gas from
12 said container;
13 a mouth on said upper part affording access to an
14 interior of said container; and
15 a removable cap on said mouth.

- 1 2. The variable volume beverage container defined in
2 claim 1 wherein said base and said upper part are molded from
3 synthetic resin and said formations are mating screw threads.

1 3. The variable volume beverage container defined in
2 claim 2 wherein said base and upper part are each molded from a
3 synthetic resin selected from the group which consists of
4 polyvinyl chloride, polypropylene, polyethylene, nylon and
5 polyethyleneterephthalate.

1 4. The variable volume beverage container defined in
2 claim 3 wherein said cap is a screw cap threaded onto a neck of
3 the container surrounding said mouth.

1 5. The variable volume beverage container defined in
2 claim 4 wherein said wall of said base is formed on an upper end
3 thereof with a reinforcing ring.

1 6. The variable volume beverage container defined in
2 claim 5, further comprising a sealing ring between an upper end
3 of said wall of said base and said wall of said upper part and
4 sealing between them.

1 7. The variable volume beverage container defined in
2 claim 6, further comprising a bead formed on said upper part and
3 bearing against said upper end of said wall of said base upon
4 full insertion of said upper part into said base.

1 8. The variable volume beverage container defined in
2 claim 7 wherein said walls are generally cylindrical.

1 9. The variable volume beverage container defined in
2 claim 8 wherein said neck, said mouth and said cap are positioned
3 along a common axis of said walls.

1 10. The variable volume beverage container defined in
2 claim 8 wherein said neck, said mouth and said cap are laterally
3 offset from a common axis of said walls.

1 11. The variable volume beverage container defined in
2 claim 2 wherein said threads have rounded cross sections.

1 12. The variable volume beverage container defined in
2 claim 2 wherein said upper part has diametrically opposite webs
3 adjacent said mouth and facilitating screwing of said upper part
4 into and out of said base.

1 13. The variable volume beverage container defined in
2 claim 2 wherein said wall of said base is formed on an upper end
3 thereof with a reinforcing ring.

1 14. The variable volume beverage container defined in
2 claim 2, further comprising a sealing ring between an upper end
3 of said wall of said base and said wall of said upper part and
4 sealing between them.

1 15. The variable volume beverage container defined in
2 claim 2, further comprising a bead formed on said upper part and
3 bearing against said upper end of said wall of said base upon
4 full insertion of said upper part into said base.

1 16. The variable volume beverage container defined in
2 claim 2 wherein said walls are generally cylindrical.

1 17. The variable volume beverage container defined in
2 claim 4 wherein said neck, said mouth and said cap are positioned
3 along a common axis of said walls.

1 18. The variable volume beverage container defined in
2 claim 4 wherein said neck, said mouth and said cap are laterally
3 offset from a common axis of said walls.

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